

REMARKS

There are 11 claims pending, of which claims 1 and 9 are in independent form. Reconsideration and allowance of the present application based on the following remarks is respectfully requested.

Drawing Objection:

**Certain Drawings are objected to under 37 C.F.R. 1.83(a).**

Submitted concurrently herewith is a Proposed Drawing Correction to Fig. 5, 6a and 6b.

Prior Art Rejection:

**Claims 1-11 are provisionally rejected under the judicially created doctrine of obviousness-type double patenting.**

The applicant acknowledges the provisional non-statutory obviousness-type double patenting rejection. An appropriate action such as filing a terminal disclaimer will be taken when the instant application is allowed.

**Claims 1-11 are rejected under 35 U.S.C. 102(b) as being unpatentable over *Matsumoto et al.* (U.S. Patent No. 5,365,284, hereinafter "*Matsumoto*").**

For at least the reasons stated hereinbelow, the rejection is respectfully traversed.

There are at least two patentable distinctions between the present invention as set forth in independent claims 1 and 9 and *Matsumoto*. First, *Matsumoto* discloses implementing an improvement to the drawback in interlace scanning, e.g., a TV signal

(see col. 5, lines 13-37), regardless of the drawback in a TFT device (see col. 12, lines 36-42). The present invention, on the other hand, is directed to improving TFT devices in an LCD, e.g., RC delay, regardless of the scanning type, which can be interlace scanning or a non-interlace scanning.

Secondly, *Matsumoto* discloses using external circuits to overcome the drawback of interlace scanning without changing the LCD circuit and its driving method (see Figs. 1A, 1B, 5A, 5B, and 6A-6C). Additionally, the scan drivers 50 and 60 as shown, e.g., in Fig. 6A of *Matsumoto*, drive the scan signal lines 80 alternatively one at a time (see Fig. 6B; col. 15, lines 64-68). The present invention as set forth in claims 1 and 9, on the other hand, requires and is characterized by, *inter alia*, sequentially scanning the scanning lines according to both first and second scanning control signals from first and second scanning circuit boards. Additionally, the driving method of the present invention drives scanning lines simultaneously. Accordingly, the present invention utilizes two scan drivers to drive the same scanning line.

Therefore, claims 1 and 9 are patentably distinct over *Matsumoto* since *Matsumoto* does not disclose, teach, or suggest sequentially scanning the scanning lines according to both the first and second scanning control signal wherein the first scan signal drivers and the second scan signal drivers scan one of the scanning lines simultaneously. As to claims 2-8 and 10-11, which depend from claims 1 and 9, respectively, they are also allowable for at least the reasons stated above with respect to claims 1 and 9.

In view of the aforementioned accompanying remarks, claims 1-11 are in condition for allowance, which action, at an early date, is requested.

**Serial No. 09/610,012**

If, for any reason, it is felt that this application is not now in condition for allowance, the Examiner is requested to contact the applicant's undersigned attorney at the telephone number indicated below to arrange for an interview to expedite the disposition of this case.

In the event that this paper is not timely filed, the applicant respectfully petitions for an appropriate extension of time. The fees for such an extension, or any other fees which may be due with respect to this paper, may be charged to Deposit Account No. 50-1299.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'J. Ho', with a long horizontal flourish extending to the left.

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Attorney for Applicant  
Reg. No. 41,838

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

Tien-Jen LIN et al.

Serial No.: 09/610,012

Filed: July 3, 2000

For: **LIQUID CRYSTAL DISPLAY MODULE AND THE SCANNING CIRCUIT BOARD**



Confirmation No.: 3669

Art Unit: 2674

Examiner: J. Nguyen

REQUEST FOR APPROVAL OF DRAWING CHANGES

Commissioner for Patents  
Washington, D.C. 20031

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July 29, 2002

Sir:

The Examiner's approval of the drawing corrections indicated in red ink on the attached Figs. 5, 6A and 6B is respectfully requested.

Upon receipt of approval of the drawing corrections and a formal Notice of Allowance, a bonded draftsman will be retained and the appropriate corrections will be made.

In the event any fees are required in connection with this paper, please charge our Deposit Account No.50-1299.

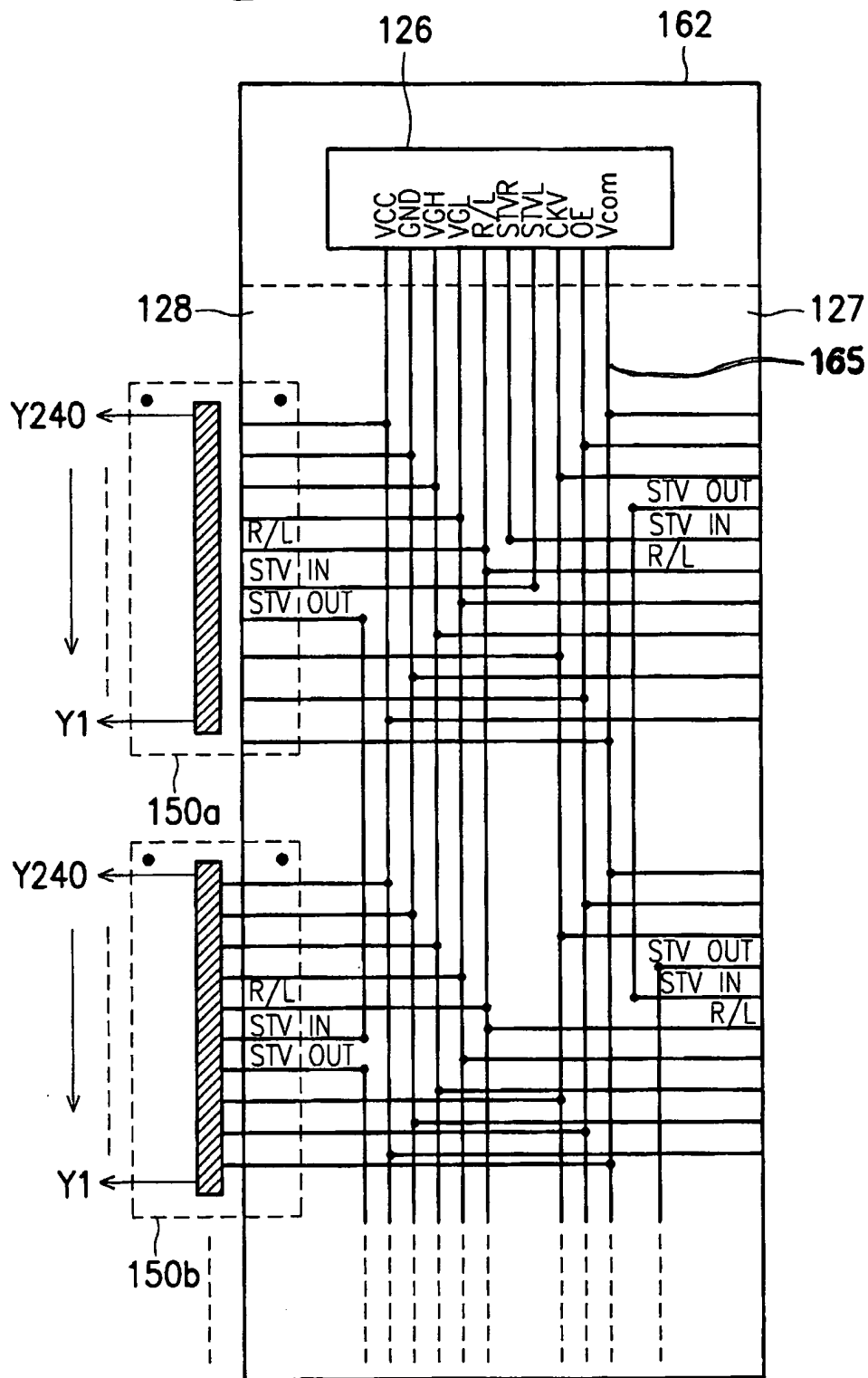
Respectfully submitted,

INTELLECTUAL PROPERTY SOLUTIONS, P.L.L.C.

Raymond J. Ho  
Attorney for Applicants  
Reg. No. 41,838

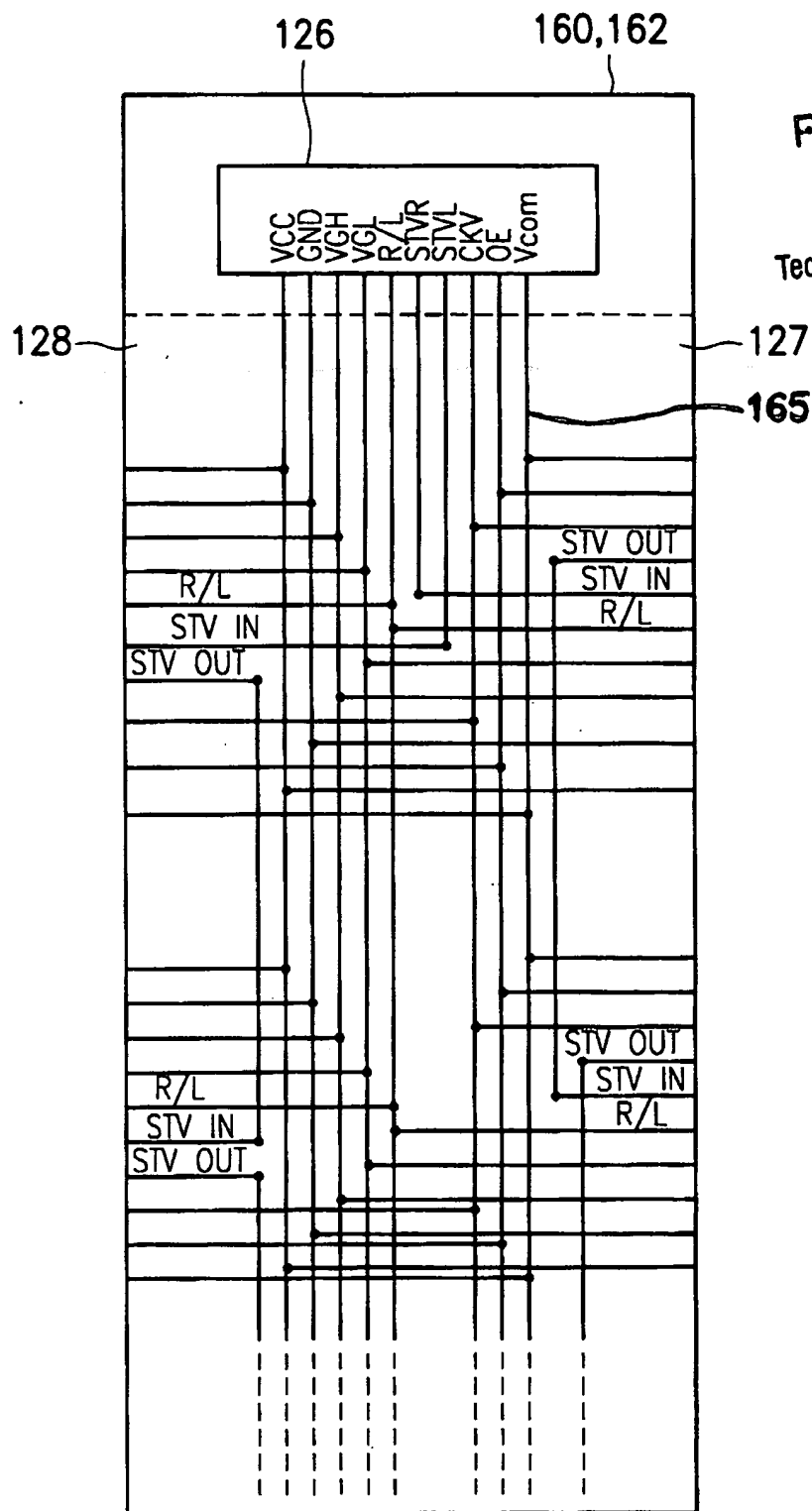
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Attachment: 3 Sheets of Corrected Drawings.



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FIG. 6b



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FIG. 5

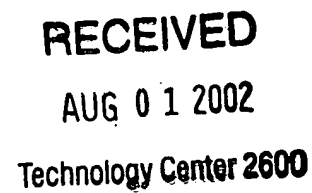


FIG. 6a